

# Rwanda - Integrated Household Living Conditions Survey 2010-2011

**National Institute of Statistics of Rwanda (NISR) - Ministry of finance and  
economics planning (MINECOFIN)**

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Visit our data catalog at: <http://microdata.statistics.gov.rw/index.php>

## Overview

### Identification

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ID NUMBER  
RWA-NISR-EICV3-02

### Version

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VERSION DESCRIPTION  
Version 2.0: Final public-use dataset

PRODUCTION DATE  
2012-10-19

NOTES  
Version 2.0

The date of this version corresponds to the date of NISR approval of the final public-use datasets.

## Overview

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### ABSTRACT

The 2010/11 Integrated Household Living Conditions Survey or EICV3 (Enquête Intégrale sur les Conditions de Vie des Ménages) is the third in the series of surveys which started in 2000/01 and is designed to monitor poverty and living conditions in Rwanda. The survey methodology has changed little over its 10 years, making it ideal for monitoring changes in the country. In 2010/11, for the first time the achieved sample size of 14,308 households in the EICV3 was sufficient to provide estimates which are reliable at the level of the district.

### KIND OF DATA

Sample survey data [ssd]

### UNITS OF ANALYSIS

For the purposes of this study, the following units of analysis are considered:

- communities
- households
- persons

## Scope

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### NOTES

The scope of survey is defined by the need to evaluate poverty determinants and effects of poverty in various domains. This includes gathering data in specific sectors and examining summary statistics and computed indicators by consumption indicator, gender etc. The survey primarily seeks to compute household consumption aggregates and correlate consumption to the following areas are within the scope and integrated into the survey:

- Education (education expenditures): general education, curriculum, vocational training and, higher learning, school-leaving, literacy and apprenticeship.

- Health (health expenditures): disability and health problems, general health and preventative vaccination over the past 12 months.
- Migration (travel expenditures): rural-urban migration, internal and external migration.
- Housing (expenditures on utilities, rent etc.): status of the housing occupancy, services and installations, physical characteristics of the dwelling, access and satisfaction towards basic services.
- Economic activity (revenue): unemployment, underemployment and job search, occupation, wage or salaried employment characteristics, VUP Activities, all other activities, domestic work.
- Non-agricultural activities (revenue): activity status, formal and informal sector activity.
- Agriculture (income and expenditure) : livestock, land and agricultural equipment, details of holding parcels/blocs and agricultural policy changes, crop harvests and use on a large and small scale crop production, harvests and use, transformation (processing) of agricultural products.

In addition to the specific sector information, consumption and/or wealth holding information was collected:

- Consumption: Expenditure on non food items, food expenditure, subsistence farming (own consumption) with different recall periods.
- Other cash flows : transfers out by household, transfers received by the household, income support programs & other revenues (excluding all incomes accrued from saving), VUP, UBUDEHE & RSSP schemes, other expenditure (excluding expenditures related to any form of saving).
- Stock items: credit, durable assets and savings (household assets and liabilities)

#### TOPICS

Topic	Vocabulary	URI
consumption/consumer behaviour [1.1]	CESSDA	<a href="http://www.nesstar.org/rdf/common">http://www.nesstar.org/rdf/common</a>
economic conditions and indicators [1.2]	CESSDA	<a href="http://www.nesstar.org/rdf/common">http://www.nesstar.org/rdf/common</a>
EDUCATION [6]	CESSDA	<a href="http://www.nesstar.org/rdf/common">http://www.nesstar.org/rdf/common</a>
general health [8.4]	CESSDA	<a href="http://www.nesstar.org/rdf/common">http://www.nesstar.org/rdf/common</a>
employment [3.1]	CESSDA	<a href="http://www.nesstar.org/rdf/common">http://www.nesstar.org/rdf/common</a>
unemployment [3.5]	CESSDA	<a href="http://www.nesstar.org/rdf/common">http://www.nesstar.org/rdf/common</a>
housing [10.1]	CESSDA	<a href="http://www.nesstar.org/rdf/common">http://www.nesstar.org/rdf/common</a>
time use [13.9]	CESSDA	<a href="http://www.nesstar.org/rdf/common">http://www.nesstar.org/rdf/common</a>
migration [14.3]	CESSDA	<a href="http://www.nesstar.org/rdf/common">http://www.nesstar.org/rdf/common</a>
information technology [16.2]	CESSDA	<a href="http://www.nesstar.org/rdf/common">http://www.nesstar.org/rdf/common</a>

## Coverage

#### GEOGRAPHIC COVERAGE

This is a national survey with representivity at the (5) provincial and (30) district level and includes urban and rural households.

#### GEOGRAPHIC UNIT

The cluster

#### UNIVERSE

All household members.

## Producers and Sponsors

### PRIMARY INVESTIGATOR(S)

Name	Affiliation
National Institute of Statistics of Rwanda (NISR)	Ministry of finance and economics planning (MINECOFIN)

### OTHER PRODUCER(S)

Name	Affiliation	Role
Oxford Policy Management	DFID	Permanante assistance
Geoffrey Greenwell	UNDP	Designer of data system
David Megill	UNDP	Statistician

## Metadata Production

### METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Juste NITIEMA		Oxford Policy Management (OPM)	Developed the document
Geoffrey Greenwell		UNDP	Reviewed and edited document
Ruben Muhayiteto		NISR	Revision of metadata

DATE OF METADATA PRODUCTION  
2011-06-02

DDI DOCUMENT VERSION  
Version 1.0 (Oct. 19,2012)

This version of the document represents the first draft of the public-use dataset of the EICV 3 study.

Version 1.1 (June 28th ,2016): Changed the title from French into English

DDI DOCUMENT ID  
RWA-NISR-DDI-EICV3-02

# Sampling

## Sampling Procedure

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The EICV3 sampled a total of 14,310 households in 1,230 sample villages. The sample selection methodology for EICV3 was based on a stratified two-stage sample design.

At the first sampling stage the sample villages for EICV3 were selected within each stratum (district) systematically with PPS from the ordered list of villages in the sampling frame. The measure of size for each village was based on the total number of households identified in the sampling frame of villages. The villages within each district were ordered first by urban, mixed and rural areas, and then geographically by secteur, cellule and village codes. This provided implicit geographic stratification of the sampling frame for each district, and ensured a proportional allocation of the sample to the urban and rural areas of each district.

A listing of households was conducted in each sample village prior to the EICV3 enumeration in order to select the sample households. A systematic sample of 9 households was selected from the listing for each sample village in Kigali Province and 12 households for each sample rural village in the remaining provinces. A reserve sample of 3 replacement households was selected for each sample village in Kigali Province and 4 replacement households for each sample village in the remaining provinces.

## Deviations from Sample Design

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Two households were dropped due to incomplete data. These were in the urban zone (Kigali). These include Nyraungenge and Kikukiro. These have been adjusted in the weights.

## Response Rate

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Traditionally response rates are high in Rwanda so it is not surprising to have response rates greater than 95%. For computing the response rates, the DHS definition is used:

1. The numerator are the number of households with a completed household interview.
2. The denominator: is the sum of number of households with a completed household interview, households that live in the dwelling but no competent respondent was at home, households with permanently postponed or refused interviews, and households for which the dwelling was not found.
3. Unoccupied or abandoned dwelling are excluded (no household lives in the dwelling, address is not a dwelling, or the dwelling is destroyed)

The numerator is: 14,308

To compute the denominator the following are considered:

Completed 14,308

HH not found 132

Sick or died 59

Refused 48

Other 63\*

Dropped 2

Total: 14,612

The response rate is computed at 98%

\*Other is included in the denominator despite the uncertainty of the reason.

\*\*Excluded from the denominator are 368 homes that were reported abandoned or changed.

Dwelling changed (Nyakatasi) 115

Dwelling changed other reason 253

## Weighting

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In order for the sample estimates from the EICV3 to be representative of the population, it is necessary to multiply the data by a sampling weight, or expansion factor. The basic weight for each sample household is equal to the inverse of its probability of selection (calculated by multiplying the probabilities at each sampling stage).

The basic weights were also adjusted to take into account the non-interviews as well as the replacement households in each sample village.

# Questionnaires

## Overview

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SECTION 1: Information on members of household

SECTION 2: Education

PART A: General education

PART B1: Curriculum

PART B2: Vocational training and, higher learning

PART C: Leaving school

PART D: Literacy and apprenticeship

SECTION 3: Health

PART A: Disability and health problems during the past 2 weeks

PART B: Health and preventative vaccination over the past 12 months

SECTION 4: Migrations and domestic trips

PART A: Migration

PART B: Domestic trips

SECTION 5: Housing

PART A: Background and status of the housing occupancy

PART B: Housing expenses

PART C: Services and installations

PART D: Physical characteristics of the dwelling

PART E: Access and satisfaction towards basic services

SECTION 6A: Economic activity in last 12 months & last 7 days

PART A: Filter questions and all the occupations you have carried out over the last 12 months.

SECTION 6B: Unemployment, underemployment and job search

SECTION 6C: Occupation (for members of the household aged 6 years and above who have been employed)

SECTION 6D: Waged or salaried employment (farm and non farm)

SECTION 7A: Non-agricultural activities (business)

SECTION 7B: Non-agricultural activities (business))

SECTION 8: Agriculture

PART A1: Livestock

PART A2: Livestock (continued) one cow per poor family policy, animals and pasture

PART A3: Livestock (continued) sale of livestock products

PART A4: Livestock (continued) expenditure on livestock during the last 12 months

PART B: Land and agricultural equipments

PART C: Details of holding parcels/blocs and agricultural policy changes

PART D: Crop harvests and use on a large scale

PART E: Small scale crops - harvests and use.

PART F: Other income from agriculture

PART G: The cost and expenditure on agricultural activities.

PART H: Transformation (processing) of agricultural products.

SECTION 9: Household expenditure and subsistence farming

PART A: Expenditure on non food items

PART B: Food expenditure

PART C: Subsistence farming

SECTION 10: Transfers of incomes, other revenues and expenditures

PART A: Transfers made by household (out)

PART B: Transfers received by the household (in)

PART C: Income support programmes & other revenues

PART D: VUP, UBUDEHE & RSSP SCHEMES

PART E: Other expenditure (excluding expenditures related to any form of saving)

SECTION 11: Credit, durables and savings

PART A: Credit

PART B: Durable household goods

PART C: Savings

## Data Collection

### Data Collection Dates

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<b>Start</b>	<b>End</b>	<b>Cycle</b>
2010-11-02	2011-10-24	Entire survey period
2010-11-02	2010-12-04	1
2010-12-08	2011-01-09	2
2011-01-13	2011-02-14	3
2011-02-18	2011-03-22	4
2011-03-26	2011-04-27	5
2011-05-01	2011-06-02	6
2011-06-06	2011-07-08	7
2011-07-12	2011-08-13	8
2011-08-17	2011-09-18	9
2011-09-22	2011-10-24	10

### Data Collection Mode

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Face-to-face [f2f]

### Questionnaires

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SECTION 1: Information on members of household

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PART C: Leaving school

PART D: Literacy and apprenticeship

SECTION 3: Health

PART A: Disability and health problems during the past 2 weeks

PART B: Health and preventative vaccination over the past 12 months

SECTION 4: Migrations and domestic trips

PART A: Migration

PART B: Domestic trips

SECTION 5: Housing

PART A: Background and status of the housing occupancy

PART B: Housing expenses

PART C: Services and installations

PART D: Physical characteristics of the dwelling

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SECTION 6A: Economic activity in last 12 months & last 7 days

PART A: Filter questions and all the occupations you have carried out over the last 12 months.

SECTION 6B: Unemployment, underemployment and job search

SECTION 6C: Occupation (for members of the household aged 6 years and above who have been employed)

SECTION 6D: Waged or salaried employment (farm and non farm)

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PART A1: Livestock

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PART A3: Livestock (continued) sale of livestock products

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PART E: Other expenditure (excluding expenditures related to any form of saving)

SECTION 11: Credit, durables and savings

PART A: Credit

PART B: Durable household goods

PART C: Savings

## Data Collectors

Name	Abbreviation	Affiliation
National Institute of Statistics of Rwanda	NISR	Ministry of finance and economics planning (MINECOFIN)

## Data Processing

### **Data Editing**

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Extensive cleaning was carried out on the EICV3 data. A detailed report on this process is available at the NISR.

## Data Appraisal

### **Estimates of Sampling Error**

Sampling errors for key indicators are provided in the Annexes of the EICV3 reports (main indicators report and thematic reports).

## File Description

# Variable List



# Documentation

## Questionnaires

### EICV III English Questionnaire

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Title EICV III English Questionnaire  
 Date 2010-09-01  
 Country Rwanda  
 Language English  
 Filename ExternalRessources/EICV3 Questionnaire English.zip

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### EICV3 Kinyarwanda questionnaire

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Title EICV3 Kinyarwanda questionnaire  
 Date 2010-09-01  
 Country Rwanda  
 Language Kinyarwanda  
 Filename ExternalRessources/EICV3 Questionnaire Kinyarwanda.zip

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## Reports

### The Third Integrated Household Living Conditions Survey (EICV3) Main Indicators Report

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Title The Third Integrated Household Living Conditions Survey (EICV3) Main Indicators Report  
 Author(s) National Institute of Statistics of Rwanda, (NISR)  
 Date 2012-01-01  
 Country Rwanda  
 Language English

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Filename	ExternalRessources/EICV3 Report PDF/EICV3 Main Report.pdf

## EICV3 Poverty report

Title	EICV3 Poverty report
Author(s)	National Institute of Statistics of Rwanda, (NISR)
Date	2012-01-01
Country	rwanda
Language	English
Filename	ExternalRessources/EICV3 Report PDF/EICV3 Poverty Report.pdf

## EICV3 Thematic Reports

Title	EICV3 Thematic Reports
Author(s)	National Institute of Statistics of Rwanda, (NISR)
Date	2012-01-01
Country	Rwanda
Language	English

This file content all thematic reports

	EICV3 Thematic Report - Agriculture.pdf
	EICV3 Thematic Report - Consumption.pdf
	EICV3 Thematic Report - Economic Activity.pdf
Description	EICV3 Thematic Report - Education.pdf
	EICV3 Thematic Report - Environment and Natural Resources.pdf
	EICV3 Thematic Report - Gender.pdf
	EICV3 Thematic Report - Income.pdf
	EICV3 Thematic Report - Social Protection.pdf
	EICV3 Thematic Report - utilities and amenities.pdf
	EICV3 Thematic Report - youth.pdf
Filename	ExternalRessources/EICV3 Report PDF/EICV3 Thematic Reports.zip

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